

CONNECTICUT RIVER BASIN

01192704 MATTABESSET RIVER AT RT 372 AT EAST BERLIN, CT

LOCATION.--Lat 41°36'29", long 72°42'56", Hartford County, Hydrologic Unit 01080205, on right bank just upstream from bridge on Rt. 372, and on the Hartford-Middlesex County line.

DRAINAGE AREA.--48.1 mi².

PERIOD of RECORD.--March 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED SATUR-ATION (MG/L) (00301)	FECAL COLI-FORM, MFC MF, WATER (COL/100 ML) (31616)	ENTERO-COCCI, MEI MF, WATER (COL/100 ML) (90909)	HARD-NESS TOTAL AS (MG/L CAC03) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
OCT 24...	0910	15	440	7.5	20.0	13.5	2.4	7.7	75	20	17k	190	50.4
DEC 04...	0930	12	438	8.0	10.0	7.5	2.9	13.4	111	24	29	180	46.7
FEB 06...	1035	15	492	8.0	2.0	1.5	2.5	15.7	111	16k	42k	170	46.1
APR 02...	1010	51	338	7.6	12.5	10.0	3.8	11.7	104	68k	17k	120	32.9
JUN 27...	1000	40	439	8.0	31.0	23.5	2.1	9.5	113	50	88	180	46.7
JUL 11...	1325	12	333	7.8	24.0	24.0	2.0	9.2	110	6000k	64k	120	32.7
AUG 07...	1230	11	418	7.8	26.5	23.0	2.5	8.2	95	53	15k	160	42.8
SEP 19...	0800	11	358	7.6	18.5	17.5	1.4	7.3	76	16k	96	140	36.7

Date	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CAC03 (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT 24...	15.2	18.8	1.77	0	181	150	22.9	36.1	E.1	12.0	260	264	E.006
DEC 04...	14.4	18.4	1.80	0	183	152	24.4	34.2	.1	10.4	268	260	E.006
FEB 06...	14.1	30.3	1.40	0	156	130	26.4	55.8	.1	9.97	280	288	E.007
APR 02...	10.2	20.2	1.18	0	107	88	19.6	33.7	.2	8.17	195	196	E.005
JUN 27...	14.4	20.4	1.31	0	167	137	22.0	40.2	.2	11.4	250	278	.015
JUL 11...	10.3	16.2	2.60	0	111	91	17.8	30.3	E.1n	8.69	198	212	.047
AUG 07...	13.6	19.3	1.77	0	164	134	20.4	34.8	E.11n	13.2	275	244	.018
SEP 19...	11.0	15.9	1.78	0	132	108	18.8	27.4	E.1n	12.0	209	209	.008

Date	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
OCT 24...	.47	<.04	--	.42	.16	.89	.060	.028	E.01	<1	.13	123	<.06
DEC 04...	.58	E.02	--	.32	.22	.90	.045	.020	<.02	3	.11	117	<.06
FEB 06...	1.00	E.03	--	.30	.21	1.3	.029	.011	<.02	2	.10	114	<.06
APR 02...	.59	E.02	--	.34	.26	.92	.042	.021	E.01	6	.05	84	<.06
JUN 27...	.87	<.04	--	.26	.19	1.1	.070	.053	.04	1	.15	117	<.06
JUL 11...	1.00	.08	.56	.64	.55	1.6	.106	.086	.06	2	.35	90	<.06
AUG 07...	.82	.05	.32	.37	.31	1.2	.108	.095	.07	3	.24	122	<.06
SEP 19...	.60	E.03	--	.35	.31	.94	.087	.066	.05	2	.24	107	<.06

01192704 MATTABESSET RIVER AT RT 372 AT EAST BERLIN, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 24...	.04	E.5	.12	1.9	31	E.05	56.5	.5	.73	<1	2	.67	4.3
DEC 04...	.11	E.4	.15	6.2	50	.36	90.9	.6	1.16	<1	9	.66	--c
FEB 06...	.04	<.8	.15	1.8	43	.14	110	.5	1.20	<1	2	.69	4.0
APR 02...	.04	<.8	.14	2.8	123	.17	89.5	.5	1.49	<1	3	.42	5.5
JUN 27...	E.02	<.8	.12	2.0	70	.13	64.6	1.1	.70	<1	1	.69	4.0
JUL 11...	E.04	<.8	.10	5.3	37	.16	34.5	2.1	1.71	<1	2	.39	7.1
AUG 07...	E.03	<.8	.15	2.2	48	.13	164	1.0	1.92	<1	3	.70	4.1
SEP 19...	E.03	<.8	.12	3.1	24	E.07	61.2	.7	3.09	<1	2	.39	4.8

Value qualifier codes used in this report:

k -- Counts outside acceptable range

n -- Below the NDV

Null value qualifier codes used in this report:

c -- Sample lost in lab